

Region 3 GPRA Baseline RCRA Corrective Action Facility

UCC - South Charleston

(A Subsidiary of The Dow Chemical Company)

**437 MacCorkle Avenue, SW
South Charleston, WV 25303
Congressional District 2
EPA ID #: WVD005005483
Last Updated 6/16/2005**

Current Progress at the Site

Union Carbide Corporation (UCC) entered into a Facility Lead agreement with EPA on October 26, 1999 for conducting corrective action at their South Charleston Facility. UCC has evaluated, addressed via Interim Measures, and provided documentation to EPA for areas of known potential for off-site impacts. In addition, UCC prioritized potential on-going sources of contamination (i.e., sewers) and has evaluated the "high priority" areas.

An RFI Workplan was submitted to EPA in June 2002, approved in October 2002, and the RFI fieldwork completed in June 2003. The RFI Report was submitted to EPA and the West Virginia Department of Environmental Protection (WVDEP) in December 2003. The RFI focused on collection of data pertinent to evaluation of the Human Health Environmental Indicator (EI) and the Groundwater Migration EI. A Follow-up RFI Workplan was submitted to and approved by EPA in May 2004, and the Follow-up RFI fieldwork completed in December 2004. The Follow-up RFI focused on supplementing data collected during the RFI, especially those pertinent to the Human Health and Groundwater EIs. Based on the RFI information, the Human Health EI is projected to be met by August 2005. The Groundwater Migration EI is anticipated to be met by September 2005, but temporal data are necessary to validate this assumption.

In addition to the field activities associated with the RFI, UCC conducted soil and groundwater sampling in conjunction with West Virginia's Voluntary Remediation and Redevelopment Act Program for its Greenbelt and Building 603 projects. Data gathered from these projects may supplement the data collected during the RFI.

Site Description

UCC's South Charleston Facility is located adjacent to the Kanawha River in South Charleston, WV. The site is approximately 205 acres, and consists of the Mainland and Blaine Island. The facility has been in continuous operations since the early 1920s. Currently, the plant produces specialty chemicals, such as surfactants, de-icers and lubricating fluids.

Site Responsibility

RCRA Corrective Action activities at this facility are being conducted under the direction of EPA Region 3 with assistance from the State.

Contaminants

Based on current information, there are no known imminent threats to human health or the environment from the UCC South Charleston Facility. The facility is used exclusively for industrial purposes and is located on the bank of the Kanawha River and on an island. Neither the Kanawha River nor the local groundwater is used for drinking water. Several of the primary constituents of potential concern are bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, bis(2-ethylhexyl)phthalate, naphthalene, benzene, chlorobenzene, 1,4-dioxane, vinyl chloride, and trichloroethene. Additional evaluation of potential risks will be conducted as data is gathered as part of the Facility Lead Program.

Community Interaction

A Community Relations Plan was prepared and presented to EPA and the UCC South Charleston Area Community Advisory Panel (CAP) as part of the Facility Lead Agreement. Communication to the public relies heavily on interaction with the CAP, which meet regularly. The CAP consists of interested members from the surrounding community. As outlined in the Community Relations Plan, work associated with the Facility Lead Agreement will be shared with the CAP.

Institutional Controls

No Institutional Controls Implemented.

Government Contacts

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For more information about EPA's corrective action webpage, including Environmental Indicators, please visit our site at: www.epa.gov/reg3wcmd/correctiveaction.htm

Facility Contacts

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